

Interference Caused by WNYL LPFM to WMJQ**Exhibit A1**

This map shows the areas that receive interference from other neighboring stations, within the 48 dBu Longley/Rice field strength of full service station WMJQ, including LPFM station WNYL. Also shown is a population density of the area to make clear the populated areas.

Exhibit A2

This is a report correlating to Exhibit A1. This report shows that WNYL causes unique interference to 71,200 potential listeners, which is 7.135% of the total population covered by WMJQ. The total population receiving interference from all sources is 224,562, which is 22.5% of the total population covered by WMJQ.

Exhibit A3

This map shows the areas that receive interference from other neighboring stations, within the 48 dBu Longley/Rice field strength of full service station WMJQ, *not* including LPFM station WNYL. Also shown is a population density of the area to make clear the populated areas.

Exhibit A4

This is a report correlating to Exhibit A3. This report shows that without LPFM station WNYL, full service station WMJQ enjoys much less interference. To be specific, the total population receiving interference from all sources drops to 153,362, which is 15.37% of the total population covered by WMJQ.

Exhibit A5

This map shows the areas that receive interference from other neighboring stations, within the 60 dBu F(50,50) protected contour of WMJQ, including LPFM station WNYL. Also shown is a population density of the area to make clear the populated areas.

Exhibit A6

This is a report correlating to Exhibit A5. This report shows that WNYL causes unique interference to 15,272 potential listeners, which is 2.239% of the total population covered within the WMJQ 60 dBu F(50,50) contour. The total population receiving interference from all sources is 61,505, which is 9.02% of the total population within the WMJQ protected contour.

Exhibit A7

This map shows the areas that receive interference from other neighboring stations, within the 60 dBu F(50,50) protected contour of WMJQ, *not* including LPFM station WNYL. Also shown is a population density of the area to make clear the populated areas.

Exhibit A8

This is a report correlating to Exhibit A7. This report shows that without LPFM station WNYL, full service station WMJQ enjoys much less interference within its 60 dBu F(50,50) protected contour. To be specific, the total population receiving interference from all sources drops to 46,233, which is 6.78% of the total population within the WMJQ protected contour.



Exhibit A-1

WMJQ.C

BPH20031017AAA

Latitude: 43-09-51 N

Longitude: 077-47-02 W

ERP: 6.00 kW

Channel: 285

Frequency: 104.9 MHz

AMSL Height: 257.0 m

Elevation: 181.7 m

Horiz. Pattern: Omni

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 9.1 m

Receiver Gain: 0 dB

Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

POPULATION DENSITY

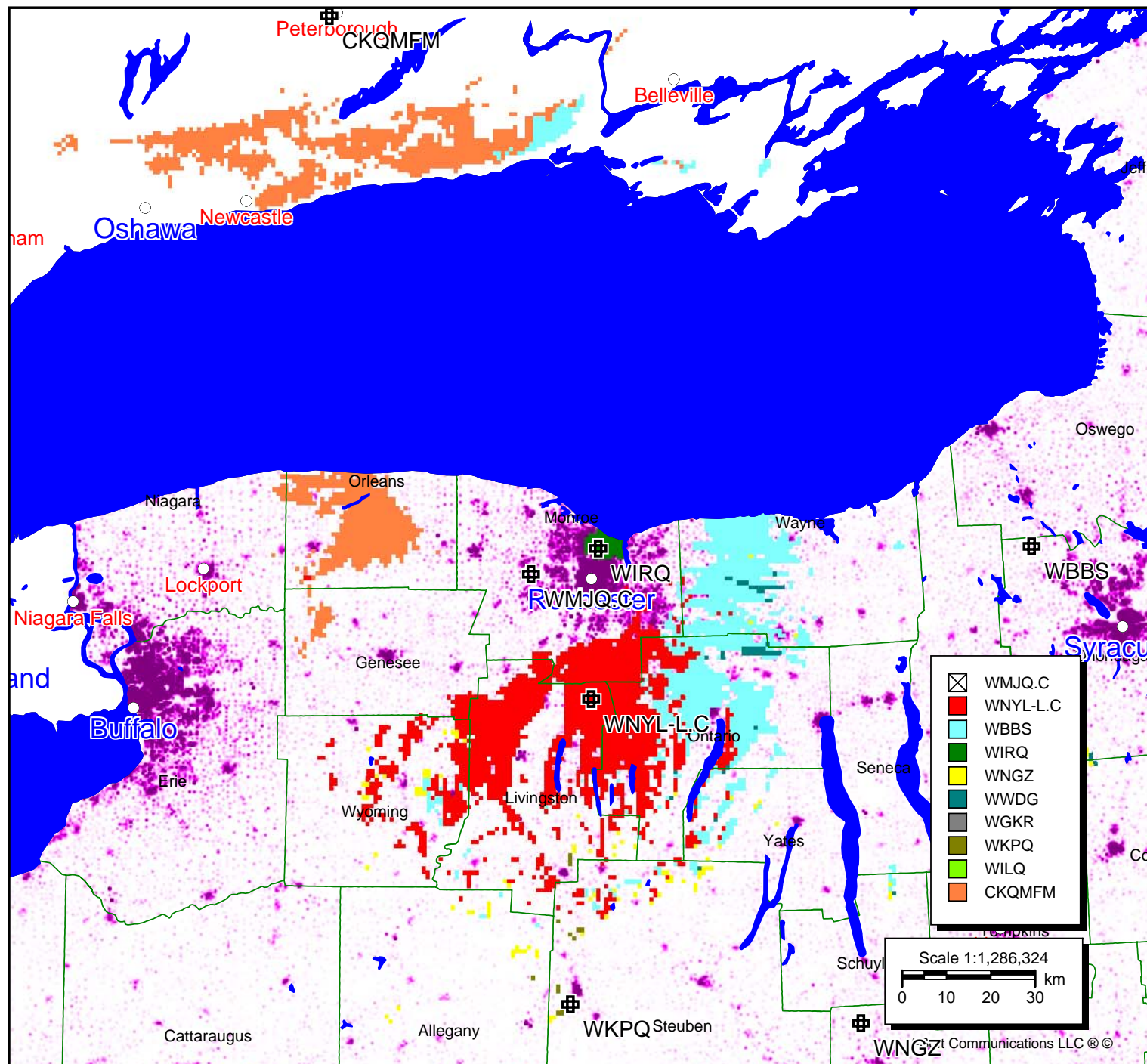
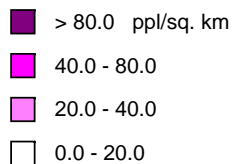


Exhibit A-2

V-Soft Communications Population Report

WMJQ.C (285) Brockport, NY - BPH20031017AAA
Lat: 43-09-51 N Lng: 077-47-02 W ERP: 6.0 kW AMSL: 257.0 m
FM Interference Study
Protected: Circle: R = 150 km
Interference considered within 150 km.
Signal Resolution: 1.0 km

Study Date: 8-17-2005
FM Database Date: 08-13-05

D/U Ratios Used:
Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 48.0 dBu.

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 997,926.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNYL-L.C (285)	44820	116306	11.655	2397.16
WBBS (284)	34721	87294	8.748	2972.09
WIRQ (284)	20437	46276	4.637	57.09
WNGZ (285)	14890	37383	3.746	1134.99
WWDG (286)	20814	52804	5.291	1146.41
WKPQ (287)	221	464	0.046	42.42
WILQ (286)	4	5	0.001	3.61
CKQMFM (286)	7211	18704	1.874	3223.81

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WNYL-L.C (285)	116306	11.655	71200	7.135
WBBS (284)	87294	8.748	19320	1.936
WIRQ (284)	46276	4.637	46170	4.627
WNGZ (285)	37383	3.746	208	0.021
WWDG (286)	52804	5.291	79	0.008
WKPQ (287)	464	0.046	23	0.002
WILQ (286)	5	0.001	0	0.000
CKQMFM (286)	18704	1.874	18577	1.862

Stations considered which do not cause interference:

WGKR (287)

Call Letters	City	State	Dist	Bear
WNYL-L.C (285)	Lima	NY	31.2	154.2
WBBS (284)	Fulton	NY	112.9	86.7
WIRQ (284)	Rochester	NY	16.2	69.0
WNGZ (285)	Montour Falls	NY	125.5	143.6
WWDG (286)	Deruyter	NY	164.0	104.3
WGKR (287)	Grand Gorge	NY	274.8	106.9
WKPQ (287)	Hornell	NY	97.3	174.7
WILQ (286)	Williamsport	PA	228.7	162.7
CKQMFM (286)	Peterborough	ON	133.6	340.0

Totals for WMJQ.C (285)

Calculation Area Population:	3,560,899	(	70681.7 sq. km)
Not Affected by Terrain Loss:	997,926	(	22887.1 sq. km)
Interfered Population:	224,562	(16298.2 sq. km)
Interference Free:	773,364	(6589.0 sq. km)

Percent Interference:	22.50
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Terrain Blocked Population:	2,562,973	(47794.6 sq. km)
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Exhibit A-3

WMJQ.C

BPH20031017AAA

Latitude: 43-09-51 N

Longitude: 077-47-02 W

ERP: 6.00 kW

Channel: 285

Frequency: 104.9 MHz

AMSL Height: 257.0 m

Elevation: 181.7 m

Horiz. Pattern: Omni

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 9.1 m

Receiver Gain: 0 dB

Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

POPULATION DENSITY

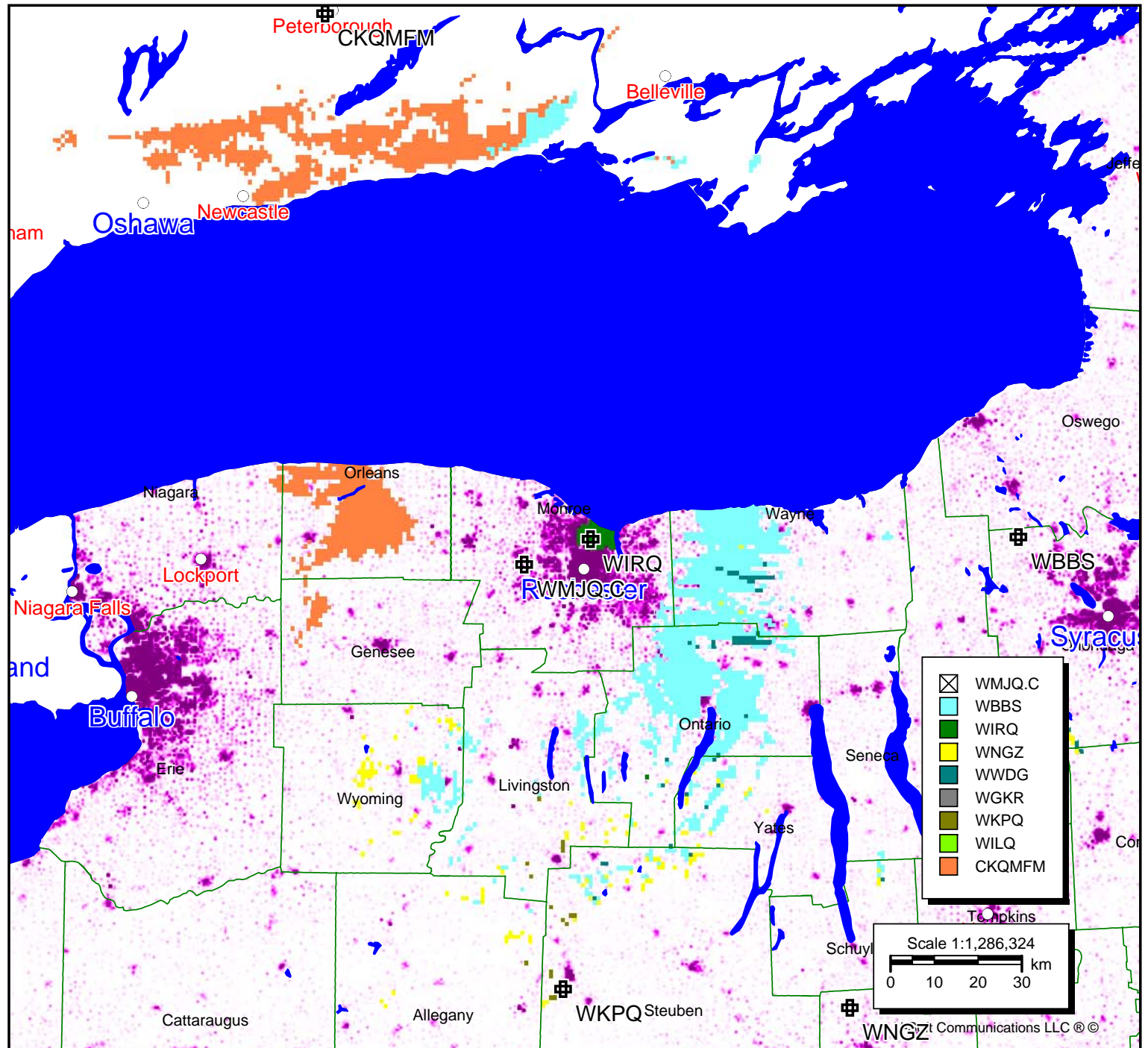
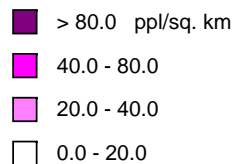


Exhibit A4

V-Soft Communications Population Report

WMJQ.C (285) Brockport, NY - BPH20031017AAA
Lat: 43-09-51 N Lng: 077-47-02 W ERP: 6.0 kW AMSL: 257.0 m
FM Interference Study
Protected: Circle: R = 150 km
Interference considered within 150 km.
Signal Resolution: 1.0 km

Study Date: 8-17-2005
FM Database Date: 08-13-05

D/U Ratios Used:
Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 48.0 dBu.

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 997,926.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WBBS (284)	34721	87294	8.748	2972.09
WIRQ (284)	20437	46276	4.637	57.09
WNGZ (285)	14890	37383	3.746	1134.99
WWDG (286)	20814	52804	5.291	1146.41
WKPQ (287)	221	464	0.046	42.42
WILQ (286)	4	5	0.001	3.61
CKQMFM (286)	7211	18704	1.874	3223.81

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WBBS (284)	87294	8.748	31814	3.188
WIRQ (284)	46276	4.637	46170	4.627
WNGZ (285)	37383	3.746	798	0.080
WWDG (286)	52804	5.291	295	0.030
WKPQ (287)	464	0.046	96	0.010
WILQ (286)	5	0.001	0	0.000
CKQMFM (286)	18704	1.874	18675	1.871

Stations considered which do not cause interference:

Call Letters	City	State	Dist	Bear
<hr/>				
WBBS (284)	Fulton	NY	112.9	86.7
WIRQ (284)	Rochester	NY	16.2	69.0
WNGZ (285)	Montour Falls	NY	125.5	143.6
WWDG (286)	Deruyter	NY	164.0	104.3
WGKR (287)	Grand Gorge	NY	274.8	106.9
WKPQ (287)	Hornell	NY	97.3	174.7
WILQ (286)	Williamsport	PA	228.7	162.7
CKQMF (286)	Peterborough	ON	133.6	340.0

Totals for WMJQ.C (285)

Calculation Area Population:	3,560,899	(70681.7 sq. km)
Not Affected by Terrain Loss:	997,926	(22887.1 sq. km)
Interfered Population:	153,362	(14953.6 sq. km)
Interference Free:	844,564	(7933.5 sq. km)
Percent Interference:	15.37	
Terrain Blocked Population:	2,562,973	(47794.6 sq. km)

Interference Free Breakdown:

White:	666,307	(78.9%)
Black:	103,150	(12.2%)
Hispanic:	41,859	(5.0%)
Native American:	2,030	(0.2%)
Asian:	18,213	(2.2%)
Pacific Islander:	185	(0.0%)
Mixed Race:	11,844	(1.4%)
Other:	976	(0.1%)
Total:	844,564	

Exhibit A-5

WMJQ.C

BPH20031017AAA

Latitude: 43-09-51 N

Longitude: 077-47-02 W

ERP: 6.00 kW

Channel: 285

Frequency: 104.9 MHz

AMSL Height: 257.0 m

Elevation: 181.7 m

Horiz. Pattern: Omni

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 9.1 m

Receiver Gain: 0 dB

Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

- ☒ WMJQ.C
- WIRQ
- CKQMFM
- WNYL-L.C

POPULATION DENSITY

- > 80.0 ppl/sq. km
- 40.0 - 80.0
- 20.0 - 40.0
- 0.0 - 20.0

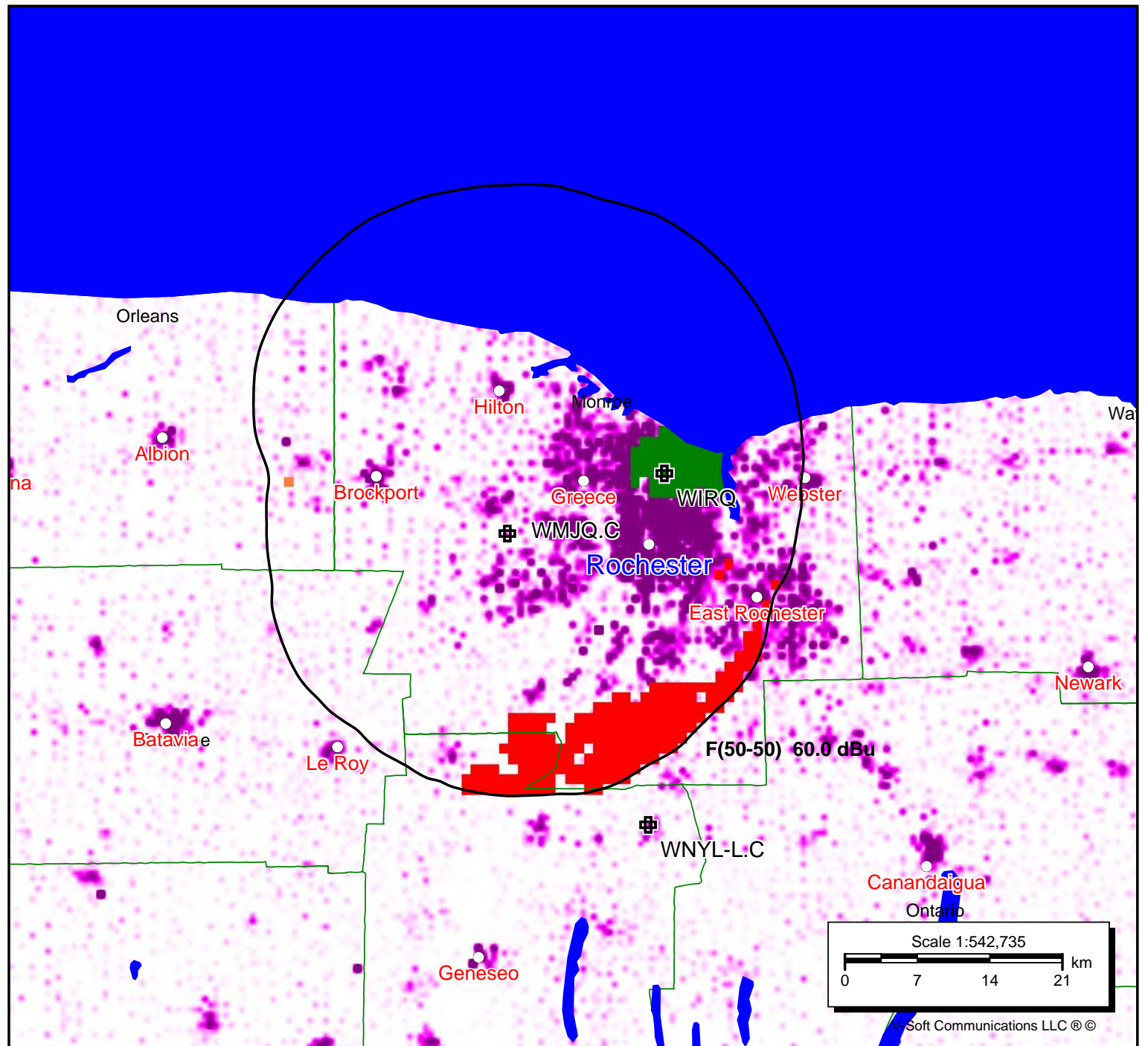


Exhibit A-6

V-Soft Communications Population Report

WMJQ.C (285) Brockport, NY - BPH20031017AAA
Lat: 43-09-51 N Lng: 077-47-02 W ERP: 6.0 kW AMSL: 257.0 m
FM Interference Study
Protected: FCC F(50-50): 60 dBu
Interference considered within 150 km.
Signal Resolution: 1.0 km

Study Date: 8-18-2005
FM Database Date: 08-13-05

D/U Ratios Used:
Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 30.0 dBu.

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 682,192.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WIRQ (284)	20394	46170	6.768	52.60
CKQMFM (286)	21	63	0.009	0.89
WNYL-L.C (285)	5523	15272	2.239	168.22

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WIRQ (284)	46170	6.768	46170	6.768
CKQMFM (286)	63	0.009	63	0.009
WNYL-L.C (285)	15272	2.239	15272	2.239

Stations considered which do not cause interference:

Call Letters	City	State	Dist	Bear
WIRQ (284)	Rochester	NY	16.2	69.0
CKQMFM (286)	Peterborough	ON	133.6	340.0
WNYL-L.C (285)	Lima	NY	31.2	154.2

Totals for WMJQ.C (285)

Calculation Area Population:	682,192	(	2515.6 sq. km)
Not Affected by Terrain Loss:	682,192	(	2515.6 sq. km)
Interfered Population:	61,505	(221.7 sq. km)
Interference Free:	620,687	(2293.9 sq. km)

Percent Interference:	9.02
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Terrain Blocked Population:	0	(0.0 sq. km)
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Exhibit A-7

WMJQ.C

BPH20031017AAA

Latitude: 43-09-51 N

Longitude: 077-47-02 W

ERP: 6.00 kW

Channel: 285

Frequency: 104.9 MHz

AMSL Height: 257.0 m

Elevation: 181.7 m

Horiz. Pattern: Omni

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 9.1 m

Receiver Gain: 0 dB





Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

-  WMJQ.C
-  WIRQ
-  CKQMFM

POPULATION DENSITY

-  > 80.0 ppl/sq. km
-  40.0 - 80.0
-  20.0 - 40.0
-  0.0 - 20.0

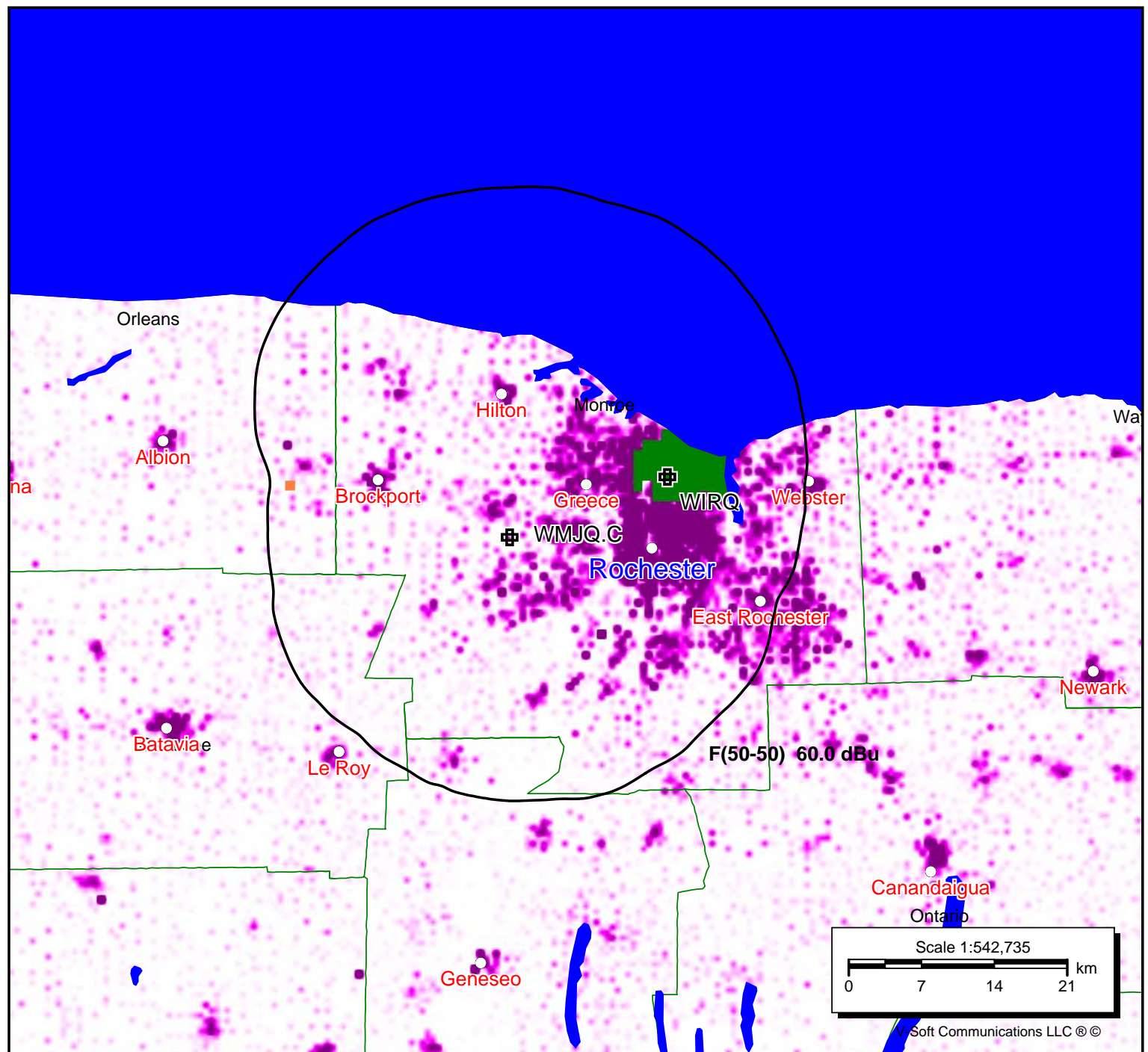


Exhibit A-8

V-Soft Communications Population Report

WMJQ.C (285) Brockport, NY - BPH20031017AAA
Lat: 43-09-51 N Lng: 077-47-02 W ERP: 6.0 kW AMSL: 257.0 m
FM Interference Study
Protected: FCC F(50-50): 60 dBu
Interference considered within 150 km.
Signal Resolution: 1.0 km

Study Date: 8-18-2005
FM Database Date: 08-13-05

D/U Ratios Used:

Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 30.0 dBu.

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 682,192.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WIRQ (284)	20394	46170	6.768	52.60
CKQMFM (286)	21	63	0.009	0.89

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WIRQ (284)	46170	6.768	46170	6.768
CKQMFM (286)	63	0.009	63	0.009

Stations considered which do not cause interference:

Call Letters	City	State	Dist	Bear
WIRQ (284)	Rochester	NY	16.2	69.0
CKQMFM (286)	Peterborough	ON	133.6	340.0

Totals for WMJQ.C (285)

Calculation Area Population:	682,192	(	2515.6 sq. km)
Not Affected by Terrain Loss:	682,192	(	2515.6 sq. km)
Interfered Population:	46,233	(53.5 sq. km)
Interference Free:	635,959	(2462.1 sq. km)

Percent Interference:	6.78
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Terrain Blocked Population:	0	(0.0 sq. km)
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Interference Caused by WMJQ to WNYL LPFM

Exhibit B1

This map shows the areas that receive interference from other neighboring stations, within the 48 dBu Longley/Rice field strength of LPFM station WNYL, including full service station WMJQ. Also shown is a population density of the area to make clear the populated areas.

Exhibit B2

This is a report correlating to Exhibit B1. This report shows that WMJQ causes interference to 239,164 persons, which is 100% of the total population covered by WNYL.

Exhibit B3

This map shows the areas that receive interference from other neighboring stations, within the 48 dBu Longley/Rice field strength of LPFM station WNYL, *not* including full service station WMJQ. Also shown is a population density of the area to make clear the populated areas.

Exhibit B4








This is a report correlating to Exhibit A3. This report shows the level of interference from all sources other than WMJQ. The total population receiving interference from all sources is 191,336 which is 80% of the total population covered by WNYL.







Exhibit B-1

WNYL-L.C

BNPL20010116ABB
Latitude: 42-54-40 N
Longitude: 077-37-02 W
ERP: 0.0372 kW
Channel: 285
Frequency: 104.9 MHz
AMSL Height: 284.0 m
Elevation: 258.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 9.1 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

-  WNYL-L.C
-  WMJQ.C
-  WBBS
-  WIRQ
-  WNGZ
-  WWDG
-  CKQMFM

POPULATION DENSITY

-  > 80.0 ppl/sq. km
-  40.0 - 80.0
-  20.0 - 40.0
-  0.0 - 20.0

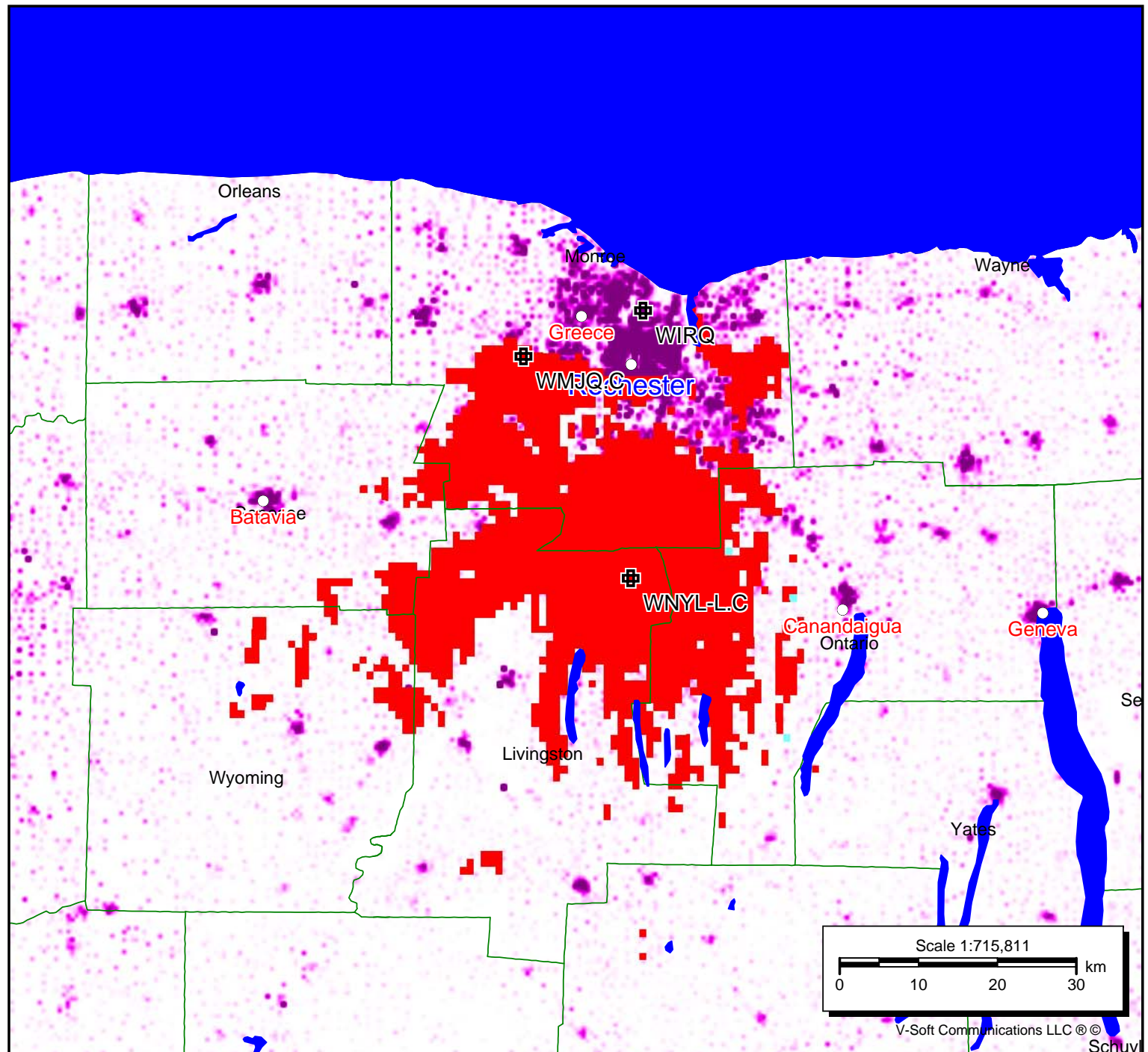


Exhibit B-1

V-Soft Communications Population Report

WNYL-L.C (285) Lima, NY - BNPL20010116ABB
Lat: 42-54-40 N Lng: 077-37-02 W ERP: 0.0372 kW AMSL: 284.0 m
FM Interference Study
Protected: Circle: R = 150 km
Interference considered within 150 km.
Signal Resolution: 1.0 km

Study Date: 8-18-2005
FM Database Date: 08-13-05

D/U Ratios Used:

Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 48.0 dBu.

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 239,164.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WMJQ.C (285)	92556	239164	100.000	1769.68
WBBS (284)	71513	185834	77.701	993.70
WIRQ (284)	47762	117847	49.275	182.19
WNGZ (285)	7918	21109	8.826	191.67
WWDG (286)	22805	53123	22.212	168.21
CKQMFM (286)	14763	34816	14.557	77.66

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WMJQ.C (285)	239164	100.000	47828	19.998
WBBS (284)	185834	77.701	0	0.000
WIRQ (284)	117847	49.275	0	0.000
WNGZ (285)	21109	8.826	0	0.000
WWDG (286)	53123	22.212	0	0.000
CKQMFM (286)	34816	14.557	0	0.000

Call Letters	City	State	Dist	Bear
WMJQ.C (285)	Brockport	NY	31.2	334.3

WBBS (284)	Fulton	NY	105.0	70.9
WIRQ (284)	Rochester	NY	34.0	2.7
WNGZ (285)	Montour Falls	NY	95.0	140.3
WWDG (286)	Deruyter	NY	145.9	95.0
CKQMFM (286)	Peterborough	ON	164.7	339.0

Totals for WNYL-L.C (285)

Calculation Area Population:	3,750,253	(	70688.2 sq. km)
Not Affected by Terrain Loss:	239,164	(	15048.8 sq. km)
Interfered Population:	239,164	(15048.8 sq. km)
Interference Free:	0	(0.0 sq. km)

Percent Interference:	100.00
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Terrain Blocked Population:	3,511,089	(55639.4 sq. km)
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Exhibit B-3

WNYL-L.C

BNPL20010116ABB
Latitude: 42-54-40 N
Longitude: 077-37-02 W
ERP: 0.0372 kW
Channel: 285
Frequency: 104.9 MHz
AMSL Height: 284.0 m
Elevation: 258.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 9.1 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

- ☒ WNYL-L.C
- WBBS
- WIRQ
- WNGZ
- WWDG
- CKQMFM

POPULATION DENSITY

- > 80.0 ppl/sq. km
- 40.0 - 80.0
- 20.0 - 40.0
- 0.0 - 20.0

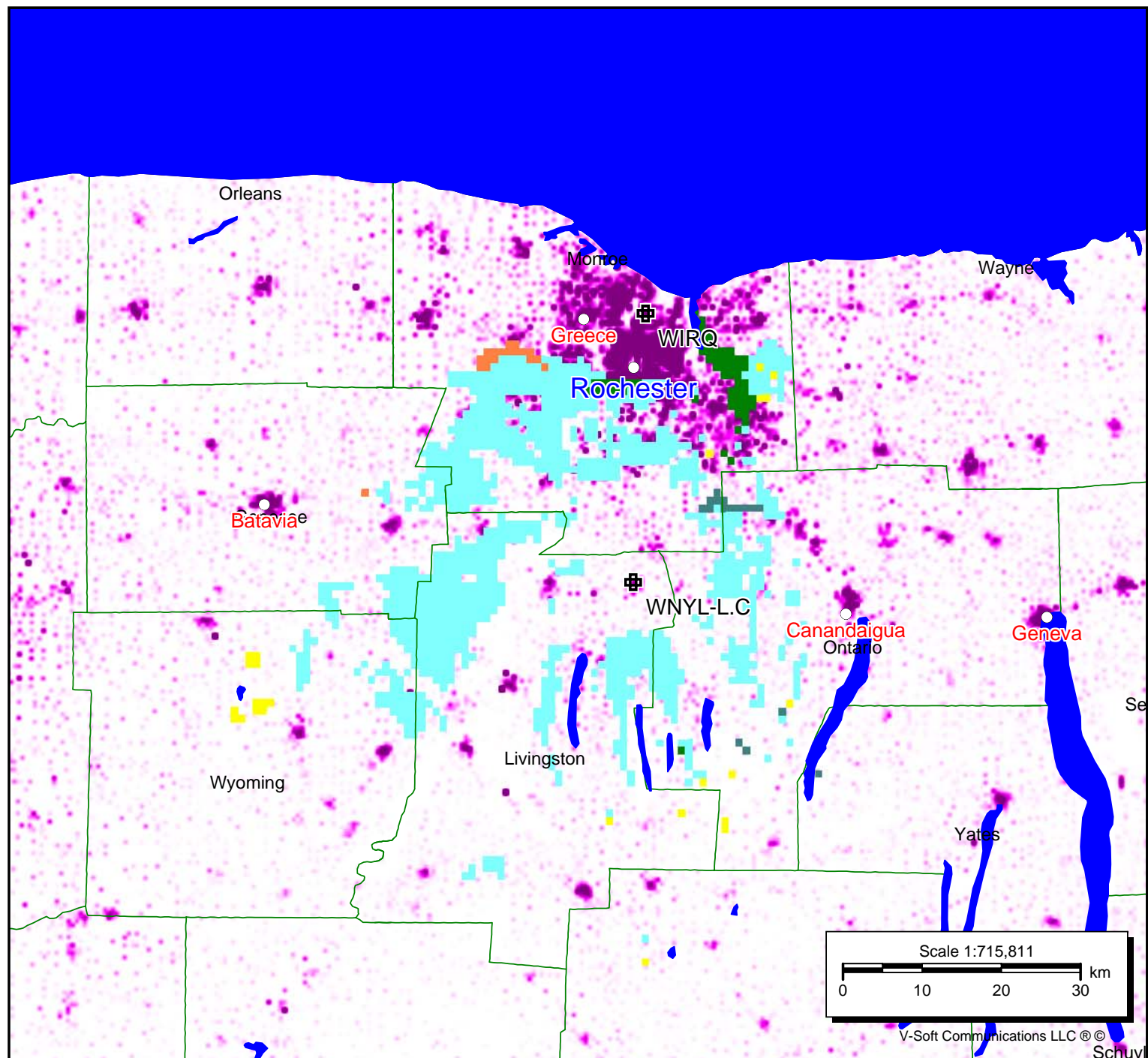


Exhibit A-4

V-Soft Communications Population Report

WNYL-L.C (285) Lima, NY - BNPL20010116ABB
Lat: 42-54-40 N Lng: 077-37-02 W ERP: 0.0372 kW AMSL: 284.0 m
FM Interference Study
Protected: Circle: R = 150 km
Interference considered within 150 km.
Signal Resolution: 1.0 km

Study Date: 8-18-2005
FM Database Date: 08-13-05

D/U Ratios Used:

Co: 20.0 dB
First Adj: 6.0 dB
Second Adj: -40.0 dB
Third Adj: -40.0 dB

Threshold for reception: 48.0 dBu.

Primary Terrain: V-Soft 30 Second US Database
Secondary Terrain: V-Soft 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 239,164.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WBBS (284)	71513	185834	77.701	993.70
WIRQ (284)	47762	117847	49.275	182.19
WNGZ (285)	7918	21109	8.826	191.67
WWDG (286)	22805	53123	22.212	168.21
CKQMFM (286)	14763	34816	14.557	77.66

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WBBS (284)	185834	77.701	62659	26.199
WIRQ (284)	117847	49.275	1920	0.803
WNGZ (285)	21109	8.826	503	0.210
WWDG (286)	53123	22.212	685	0.286
CKQMFM (286)	34816	14.557	0	0.000

Call Letters	City	State	Dist	Bear
WBBS (284)	Fulton	NY	105.0	70.9
WIRQ (284)	Rochester	NY	34.0	2.7
WNGZ (285)	Montour Falls	NY	95.0	140.3

WWDG (286)	Deruyter	NY	145.9	95.0
CKQMFM (286)	Peterborough	ON	164.7	339.0

Totals for WNYL-L.C (285)

Calculation Area Population:	3,750,253	(	70688.2 sq. km)
Not Affected by Terrain Loss:	239,164	(	15048.8 sq. km)
Interfered Population:	191,336	(14304.2 sq. km)
Interference Free:	47,828	(744.6 sq. km)

Percent Interference:	80.00
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Terrain Blocked Population:	3,511,089	(55639.4 sq. km)
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